

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	28208	(compound) adj (semiconduct\$4)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:09
L3	9020	((III adj IV) or (II adj VI) or (IV adj IV) or (III adj V)) near3 (semiconduct\$4)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:10
L4	1888435	(GaAs or GaAsP or GaAlAs or AlP or InP or InGaAlP or AIS or GaN or InGaN or InSb or GaSb or BaGaIn or ZnS or ZnSe or ZnTe or CdS or CdSe or CdTe or HgS or HgSe or HgTe or SiGe or SnTe or PbS or PbSe or PbTe)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:10
L5	3303761	(MgS or SrS or BaS or CaSrS or SrSe or BaSe or CaTe or CdZnSeS or CdZnSe)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:10
L6	18234	((gallium adj arsenide) or (calcium adj strontium adj sulfide) or (cadmium adj selenide) or (lead adj telluride) or (zinc adj sulfide) or (zinc adj magnesium adj sulfide) or (aluminum adj indium adj phosphide) or (calcium adj sulfide) or (magnesium adj zinc adj sulfide) or (aluminum adj indium adj phosphide))	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:12
L7	31509	(selenide or telluride or sulfide or sulphide) and (Cd or cadmium or Zn or zinc or Hg or mercury or Mg or magnesium or Sn or tin or Pb or lead or Ca or calcium or Sr or strontium or Ba or barium)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:13
L8	4129579	2 3 4 5 6 7	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:14
L9	221529	I8 and semiconduct\$5	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:14
L10	1768	I9 and (organometallic or (organo adj metallic) or metallorganic or metalorganic or (metal adj organic) or (metallo adj organic) or alkoxide)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:15
L11	353	I10 and (oxide or dioxide or trioxide or ZnO or SnO2 or In2O3 or SiO2 or (silicon or Si or zinc or Zn or tin or Sn or indium or In) adj (oxide or dioxide or trioxide) or silica or SiO)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:20
L12	4	I9 and ethylhexanoate	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:17
L13	1429	I9 and (carboxylate or alkoxy or methoxy or ethoxy or carboxyl or acyloxy or propionate)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:18
L14	97	I9 and (acetoxyl or ethanoyloxy or propionyloxy or hexanoyloxy or tetramethoxysilane or organosilane or (tetramethoxy adj silane) or butoxysilane or butoxytitanium or butoxyaluminum or propoxytin or oxyethoxide or oxoalkoxy)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:19
L15	1163	I9 and (monocarboxylic or polycarboxylic or formic or caproic or caprylic or lauric or isobutyric myristic or palmitic or stearic or acrylic or methacrylic or crotonic or oleic or linolenic or oxalic or malonic or succinic or adipic or acetic)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:19
L16	121	I9 and (fumaric or dimethylglutaric or suberic or benzoic or phenylacetic or toluic or phthalic or isophthalic or terephthalic or terephthalic or pyrometallic or benzoic)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:20
L17	2652	12 13 14 15 16	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:20
L18	604	I17 and (oxide or dioxide or trioxide or ZnO or SnO2 or In2O3 or SiO2 or (silicon or Si or zinc or Zn or tin or Sn or indium or In) adj (oxide or dioxide or trioxide) or silica or SiO)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:20
L19	924	11 18	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:20
L20	68	I19 and (compound adj semiconduct\$4)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:21
L21	263	I19 and (pulveriz\$6 or pulveris\$6 or mixing or mix or mixes or mixed or mixture or blend or polish\$6 or mortar)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:22

EAST Search History

L22	16	I19 and (ground\$3 or grind\$5)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:22
L23	399	I19 and (protect\$5 or barrier or passivat\$6 or cover\$5 or block\$3 or barricade Or humid\$5 Or moist\$5 Or hermetic\$5 or hydrophob\$5 Or buffer\$3 Or prevent\$5 Or deteriora\$6 Or damag\$5)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:24
L24	71	I19 and (monodispers\$6 or dispers\$6)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:24
L25	58	I19 and (luminesc\$6 or electroluminesc\$5 or phosphor or phosphoresc\$5 or (light adj emit\$5))	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:25
L26	1	I19 and (oxide or dioxide) near3 (cover\$5 or protect\$5 or barrier or buffer\$4 or passivat\$5) near3 (organ\$7 or organometall\$6 or (organo adj metallic) or metallorganic or metalorganic or (metal adj organic) or (metallo adj organic) or alkoxide)	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:27
L27	650	20 21 22 23 24 25 26	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:29
L28	650	I27 not 2003-2007.prai,py.	EPO; JPO; DERWENT	OR	ON	2007/11/19 10:28
L29	497	I27 and (coat\$5 or film or thinfilm or layer\$5 or cover\$5)	EPO; JPO; DERWENT	OR	ON	2007/11/19 11:04
L30	274	I19 not I27	EPO; JPO; DERWENT	OR	ON	2007/11/19 11:04
L31	4	I30 and quantum	EPO; JPO; DERWENT	OR	ON	2007/11/19 11:04
L32	54	I30 and (nanopartic\$7 or nano\$9 or partide or particulat\$3 or granular or grain or nanograin or micrograin or micropartic\$7 or powder or nanopowder)	EPO; JPO; DERWENT	OR	ON	2007/11/19 11:06

10/525,848

11/19/07

STN

08:26:57 ON 19 NOV 2007

09:34:44 ON 19 NOV 2007

FILE 'REGISTRY' ENTERED AT 08:27:49 ON 19 NOV 2007

L1 19275 SEA ABB=ON PLU=ON (SELENIDE OR TELLURIDE OR SULFIDE OR
SULPHIDE) AND (CD OR ZN OR HG OR MG OR SN OR PB OR CA OR SR OR BA)/ELS,MAC
L2 25932 SEA ABB=ON PLU=ON (ARSENIDE OR PHOSPHIDE OR NITRIDE) AND (GA
OR AS OR AL OR IN OR B OR IN)/ELS,MAC

FILE 'HCAPLUS' ENTERED AT 08:28:20 ON 19 NOV 2007

L3 445644 SEA ABB=ON PLU=ON ((L1 OR L2))
L4 15134 SEA ABB=ON PLU=ON (COMPOUND) (W) (SEMICONDUCTOR)
L5 11726 SEA ABB=ON PLU=ON (III IV OR II VI OR IV IV OR III V) (3A) (SEMICONDUCT#####)
L6 347350 SEA ABB=ON PLU=ON (GAAS OR GAASP OR GAALAS OR ALP OR INP OR
INGAALP OR ALS OR GAN OR INGAN OR INSB OR GASB OR BALGAIN OR
ZNS OR ZNSE OR ZNTE OR CDS OR CDSE OR CDTE OR HGS OR HGSE OR
HGTE OR SIGE OR SNTE OR PBS OR PBSE OR PBTE)
L7 1356567 SEA ABB=ON PLU=ON (MGS OR CAS OR SRS OR BAS OR CASRS OR SRSE
OR BASE OR CATE OR CDZNSE OR CDZNSE)
L8 221976 SEA ABB=ON PLU=ON (GALLIUM ARSENIDE OR CALCIUM STRONTIUM
SULFIDE OR CADMIUM SELENIDE OR LEAD TELLURIDE OR ZINC SULFIDE
OR ZINC MAGNESIUM SULFIDE OR ALUMINUM INDIUM PHOSPHIDE OR
CALCIUM SULFIDE OR MAGNESIUM ZINC SULFIDE OR ALUMINUM INDIUM PHOSPHIDE)
L9 203340 SEA ABB=ON PLU=ON (SILICON CARBIDE OR CADMIUM SELENIDE OR
ZINC MAGNESIUM SULFIDE OR GALLIUM ARSENIDE PHOSPHIDE OR
ALUMINUM PHOSPHIDE OR INDIUM PHOSPHIDE OR INDIUM GALLIUM
ALUMINUM PHOSPHIDE OR ALUMINUM SULFIDE OR GALLIUM NITRIDE OR
INDIUM GALLIUM NITRIDE)
L10 91129 SEA ABB=ON PLU=ON (BORON ALUMINUM GALLIUM INDIUM OR ZINC
SELENIDE OR ZINC TELLURIDE OR CADMIUM SULFIDE OR MERCURY
SULFIDE OR MERCURY SELENIDE OR MERCURY TELLURIDE OR SILICON
GERMANIDE OR SILICON GERMANIUM OR TIN TELLURIDE OR LEAD
SULFIDE OR LEAD SELENIDE)
S (112148-41-1/REG# OR 12340-04-4/REG# OR 123744-39-8/REG# O

FILE 'REGISTRY' ENTERED AT 08:29:45 ON 19 NOV 2007

L11 1 SEA ABB=ON PLU=ON 136907-41-0/RN

FILE 'HCAPLUS' ENTERED AT 08:29:46 ON 19 NOV 2007

L12 4 SEA ABB=ON PLU=ON L11

FILE 'REGISTRY' ENTERED AT 08:29:46 ON 19 NOV 2007

L13 1 SEA ABB=ON PLU=ON 128515-49-1/RN

FILE 'HCAPLUS' ENTERED AT 08:29:47 ON 19 NOV 2007

L14 16 SEA ABB=ON PLU=ON L13

FILE 'REGISTRY' ENTERED AT 08:29:47 ON 19 NOV 2007

L15 1 SEA ABB=ON PLU=ON 20548-54-3/RN

FILE 'HCAPLUS' ENTERED AT 08:29:48 ON 19 NOV 2007

L16 3468 SEA ABB=ON PLU=ON L15

FILE 'REGISTRY' ENTERED AT 08:29:48 ON 19 NOV 2007

L17 1 SEA ABB=ON PLU=ON 1314-98-3/RN

FILE 'HCAPLUS' ENTERED AT 08:29:49 ON 19 NOV 2007

L18 29368 SEA ABB=ON PLU=ON L17

FILE 'REGISTRY' ENTERED AT 08:29:49 ON 19 NOV 2007

L19 1 SEA ABB=ON PLU=ON 1314-91-6/RN

FILE 'HCAPLUS' ENTERED AT 08:29:50 ON 19 NOV 2007

L20 6454 SEA ABB=ON PLU=ON L19

FILE 'REGISTRY' ENTERED AT 08:29:50 ON 19 NOV 2007

L21 1 SEA ABB=ON PLU=ON 1306-24-7/RN

FILE 'HCAPLUS' ENTERED AT 08:29:51 ON 19 NOV 2007

L22 12568 SEA ABB=ON PLU=ON L21
 FILE 'REGISTRY' ENTERED AT 08:29:51 ON 19 NOV 2007
 L23 1 SEA ABB=ON PLU=ON 123744-39-8/RN
 FILE 'HCAPLUS' ENTERED AT 08:29:52 ON 19 NOV 2007
 L24 36 SEA ABB=ON PLU=ON L23
 FILE 'REGISTRY' ENTERED AT 08:29:52 ON 19 NOV 2007
 L25 1 SEA ABB=ON PLU=ON 12340-04-4/RN
 FILE 'HCAPLUS' ENTERED AT 08:29:53 ON 19 NOV 2007
 L26 1393 SEA ABB=ON PLU=ON L25
 FILE 'REGISTRY' ENTERED AT 08:29:53 ON 19 NOV 2007
 L27 1 SEA ABB=ON PLU=ON 112148-41-1/RN
 FILE 'HCAPLUS' ENTERED AT 08:29:54 ON 19 NOV 2007
 L28 31 SEA ABB=ON PLU=ON L27
 L29 49651 SEA ABB=ON PLU=ON (L28 OR L26 OR L24 OR L22 OR L20 OR L18 OR L16 OR L14 OR L12)
 L30 9118 SEA ABB=ON PLU=ON SIGE
 L31 1958997 SEA ABB=ON PLU=ON (L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10) OR (L29 OR L30)
 L32 16847 SEA ABB=ON PLU=ON L31 AND METAL(1A)?OXIDE?
 L33 106102 SEA ABB=ON PLU=ON L31 AND (ZNO OR SNO2 OR IN2O3 OR SIO2 OR
 (SILICON OR SI OR ZINC OR ZN OR TIN OR SN OR INDIUM OR
 IN)(W)?OXIDE?) OR SILICA OR SIO)
 L34 22985 SEA ABB=ON PLU=ON L31 AND (BISMUTH OXIDE OR LANTHANUM OXIDE
 OR ZIRCONIA OR YTTRIUM OXIDE OR YTTRIA OR HAFNIUM OXIDE)
 S L31 AND (1304-76-3/REG# OR 1312-43-2/REG# OR 1312-81-8/REG
 FILE 'REGISTRY' ENTERED AT 08:34:00 ON 19 NOV 2007
 L35 1 SEA ABB=ON PLU=ON 49718-23-2/RN
 FILE 'HCAPLUS' ENTERED AT 08:34:00 ON 19 NOV 2007
 L36 2002 SEA ABB=ON PLU=ON L35
 FILE 'REGISTRY' ENTERED AT 08:34:01 ON 19 NOV 2007
 L37 1 SEA ABB=ON PLU=ON 18282-10-5/RN
 FILE 'HCAPLUS' ENTERED AT 08:34:01 ON 19 NOV 2007
 L38 26590 SEA ABB=ON PLU=ON L37
 FILE 'REGISTRY' ENTERED AT 08:34:02 ON 19 NOV 2007
 L39 1 SEA ABB=ON PLU=ON 13463-67-7/RN
 FILE 'HCAPLUS' ENTERED AT 08:34:02 ON 19 NOV 2007
 L40 173853 SEA ABB=ON PLU=ON L39
 FILE 'REGISTRY' ENTERED AT 08:34:03 ON 19 NOV 2007
 L41 1 SEA ABB=ON PLU=ON 12055-23-1/RN
 FILE 'HCAPLUS' ENTERED AT 08:34:04 ON 19 NOV 2007
 L42 10506 SEA ABB=ON PLU=ON L41
 FILE 'REGISTRY' ENTERED AT 08:34:04 ON 19 NOV 2007
 L43 1 SEA ABB=ON PLU=ON 1314-36-9/RN
 FILE 'HCAPLUS' ENTERED AT 08:34:05 ON 19 NOV 2007
 L44 43567 SEA ABB=ON PLU=ON L43
 FILE 'REGISTRY' ENTERED AT 08:34:05 ON 19 NOV 2007
 L45 1 SEA ABB=ON PLU=ON 1314-23-4/RN
 FILE 'HCAPLUS' ENTERED AT 08:34:06 ON 19 NOV 2007
 L46 100845 SEA ABB=ON PLU=ON L45
 FILE 'REGISTRY' ENTERED AT 08:34:07 ON 19 NOV 2007
 L47 1 SEA ABB=ON PLU=ON 1314-13-2/RN
 FILE 'HCAPLUS' ENTERED AT 08:34:07 ON 19 NOV 2007
 L48 93911 SEA ABB=ON PLU=ON L47

FILE 'REGISTRY' ENTERED AT 08:34:08 ON 19 NOV 2007
L49 1 SEA ABB=ON PLU=ON 1312-81-8/RN

FILE 'HCAPLUS' ENTERED AT 08:34:08 ON 19 NOV 2007
L50 18942 SEA ABB=ON PLU=ON L49

FILE 'REGISTRY' ENTERED AT 08:34:09 ON 19 NOV 2007
L51 1 SEA ABB=ON PLU=ON 1312-43-2/RN

FILE 'HCAPLUS' ENTERED AT 08:34:09 ON 19 NOV 2007
L52 11892 SEA ABB=ON PLU=ON L51

FILE 'REGISTRY' ENTERED AT 08:34:10 ON 19 NOV 2007
L53 1 SEA ABB=ON PLU=ON 1304-76-3/RN

FILE 'HCAPLUS' ENTERED AT 08:34:10 ON 19 NOV 2007
L54 16158 SEA ABB=ON PLU=ON L53
L55 49618 SEA ABB=ON PLU=ON L31 AND (L54 OR L52 OR L50 OR L48 OR L46
OR L44 OR L42 OR L40 OR L38 OR L36)
L56 142233 SEA ABB=ON PLU=ON (L32 OR L33 OR L34) OR L55
L57 4264 SEA ABB=ON PLU=ON L56 AND (ORGANOMETALLIC OR ORGANO METALLIC
OR METALLORGANIC OR METALORGANIC OR METALLO ORGANIC OR ?ALKOXIDE?)
L58 87 SEA ABB=ON PLU=ON L56 AND 2 ETHYLHEXANOATE
S L56 AND 22464-99-9/REG#

FILE 'REGISTRY' ENTERED AT 08:34:58 ON 19 NOV 2007
L59 1 SEA ABB=ON PLU=ON 22464-99-9/RN

FILE 'HCAPLUS' ENTERED AT 08:34:58 ON 19 NOV 2007
L60 97 SEA ABB=ON PLU=ON L59
L61 3 SEA ABB=ON PLU=ON L56 AND L60
L62 8135 SEA ABB=ON PLU=ON L56 AND (?CARBOXYLATE? OR ?ALKOXY? OR
?METHOXY? OR ?ETHOXY? OR ?CARBOXYL? OR ?ACYLOXYL? OR ?PROPIONATE?)
L63 530 SEA ABB=ON PLU=ON L56 AND (?ACETOXY? OR ?ETHANOYLOXY? OR
?PROPIONYLOXY? OR ?HEXANOYLOXY? OR TETRAMETHOXYLSILANE OR
TETRAMETHOXY SILANE OR ?BUTOXYSILANE? OR ?BUTOXYTITANIUM? OR
?BUTOXYALUMINUM? OR ?PROPOXYTIN? OR ?OXYETHOXIDE? OR ?OXOALKOXY?)
L64 8321 SEA ABB=ON PLU=ON L56 AND (MONOCARBOXYLIC OR POLYCARBOXYLIC
OR FORMIC OR CAPROIC OR CAPRYLIC OR LAURIC OR ISOBUTYRIC
MYRISTIC OR PALMITIC OR STEARIC OR ACRYLIC OR METHACRYLIC OR
CROTONIC OR OLEIC OR LINOLENIC OR OXALIC OR MALONIC OR SUCCINIC OR ADIPIC OR ACETIC)
L65 1578 SEA ABB=ON PLU=ON L56 AND (FUMARIC OR DIMETHYLGLUTARIC OR
SUBERIC OR BENZOIC OR PHENYLACETIC OR TOLUIC OR PHTHALIC OR
ISOPHTHALIC OR TEREPHTHALIC OR TEREPHTHALIC OR PYROMETALLIC OR ?BENZOIC?)
L66 18345 SEA ABB=ON PLU=ON (L57 OR L58) OR L61 OR (L62 OR L63 OR L64 OR L65)
L67 5833 SEA ABB=ON PLU=ON L66 AND (PROTECT? OR BARRIER OR PASSIVAT?
OR ?CORROD? OR ?CORROS? OR COVER? OR ANODIS? OR ANODIZ? OR
ANTIOXID? OR BLOCK#### OR BARRICADE? OR HUMID? OR MOIST? OR
HERMETIC? OR HYDROPHOB? OR WEATHER? OR BUFFER? OR PREVENT? OR DETERIORA? OR DAMAG?)
L68 747 SEA ABB=ON PLU=ON L66 AND (PROTECT? OR BARRIER OR PASSIVAT?
OR ?CORROD? OR ?CORROS? OR COVER? OR ANODIS? OR ANODIZ? OR
ANTIOXID? OR BLOCK#### OR BARRICADE? OR HUMID? OR MOIST? OR
HERMETIC? OR HYDROPHOB? OR WEATHER? OR BUFFER? OR PREVENT? OR
DETERIORA? OR DAMAG?) (4A)?OXIDE?
L69 2554 SEA ABB=ON PLU=ON L66 AND (?OXIDE?) (3A) (?COAT? OR ?FILM? OR
?LAYER? OR ?DEPOSIT? OR OVERSPREAD OR OVERLY#### OR OVERLAID)
L70 105 SEA ABB=ON PLU=ON L66 AND (?OXIDE?) (3A) (PROTECT##### OR PASSIVAT?)
L71 7283 SEA ABB=ON PLU=ON (L67 OR L68 OR L69 OR L70)
L72 477 SEA ABB=ON PLU=ON L71 AND (LUMINOPHOR OR ?LUMINESC?)
L73 112 SEA ABB=ON PLU=ON L71 AND (COMPOUND) (2A) (SEMICONDUCT?)
L74 568 SEA ABB=ON PLU=ON L71 AND NANO#####
L75 63 SEA ABB=ON PLU=ON L71 AND (QUANTUM DOT)
L76 204 SEA ABB=ON PLU=ON L71 AND (QUANTUM#####)
L77 187 SEA ABB=ON PLU=ON L71 AND (?OXIDE?) (3A) (ORGANOMETALLIC OR
ORGANO METALLIC OR METALLORGANIC OR METALORGANIC OR METAL
ORGANIC OR METALLO ORGANIC OR ?ALKOXIDE?)
L78 1372 SEA ABB=ON PLU=ON (L72 OR L73 OR L74 OR L75 OR L76 OR L77) OR L70
L79 29 SEA ABB=ON PLU=ON L78 AND (PROTECT##### OR BARRIER OR
PASSIVAT? OR COVER#### OR BLOCK#### OR PREVENT#### OR
DAMAG#####) (3A) (ORGANOMETALLIC OR ORGANO METALLIC OR METALLORGA
NIC OR METALORGANIC OR METAL ORGANIC OR METALLO ORGANIC OR ?ALKOXIDE?)
L80 453 SEA ABB=ON PLU=ON L78 AND SEMICONDUCT?
L81 100 SEA ABB=ON PLU=ON L78 AND (?PARTIC? OR ?POWDER? OR NANO#####

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##### (3A) (PROTECT? OR BARRIER OR PASSIVAT? OR
?CORROD? OR ?CORROS? OR COVER? OR ANODIS? OR ANODIZ? OR
BLOCK#### OR BARRICADE? )
L82      42 SEA ABB=ON PLU=ON L78 AND (?PARTIC? OR ?POWDER? OR NANO#####
##### (3A) (HUMID? OR MOIST? OR HERMETIC? OR
HYDROPHOB? OR WEATHER? OR BUFFER? OR PREVENT? OR DETERIORA? OR DAMAG?)
L83      166 SEA ABB=ON PLU=ON L79 OR (L81 OR L82)
L84      1 SEA ABB=ON PLU=ON L78 AND (LUMINOPHOR)
L85      476 SEA ABB=ON PLU=ON L78 AND (?LUMINESC?)
L86      143 SEA ABB=ON PLU=ON L78 AND (METAL OXIDE)
L87      1 SEA ABB=ON PLU=ON L78 AND ?ACYLOXY?
L88      658 SEA ABB=ON PLU=ON L78 AND (ORGANOMETALLIC OR ORGANO METALLIC
OR METALLORGANIC OR METALORGANIC OR METAL ORGANIC OR METALLO ORGANIC OR ?ALKOXIDE?)
L89      101 SEA ABB=ON PLU=ON L78 AND COMPOUND(1W)SEMICONDUCT?
L90      1036 SEA ABB=ON PLU=ON (L83 OR L84 OR L85 OR L86 OR L87 OR L88 OR L89) OR L75
L91      620 SEA ABB=ON PLU=ON L90 AND P/DT
L92      416 SEA ABB=ON PLU=ON L90 NOT L91
L93      203 SEA ABB=ON PLU=ON L92 NOT 2003-2008/PY
L94      336 SEA ABB=ON PLU=ON L91 AND 1980-2002/PRY,PY
L95      455 SEA ABB=ON PLU=ON L91 AND 2003-2007/PRY,PY
L96      165 SEA ABB=ON PLU=ON L91 NOT L95
L97      546 SEA ABB=ON PLU=ON L96 OR L94 OR L93
L98      300 SEA ABB=ON PLU=ON L97 AND (COVER##### OR PROTECT? OR COAT#####)
L99      54 SEA ABB=ON PLU=ON L97 AND (?OXIDE?) (3A) (PROTECT##### OR
COVER##### OR PASSIVAT##### OR BARRIER OR BARRICADE)
L100     61 SEA ABB=ON PLU=ON L97 AND (COMPOUND(W)SEMICONDUCT#####)
L101     114 SEA ABB=ON PLU=ON L99 OR L100
L102     45 SEA ABB=ON PLU=ON L100 AND (PROTECT? OR BARRIER OR PASSIVAT?
OR ?CORROD? OR ?CORROS? OR COVER? OR ANODIS? OR ANODIZ? OR
ANTIOXID? OR BLOCK#### OR BARRICADE? OR HUMID? OR MOIST? OR
HERMETIC? OR HYDROPHOB? OR WEATHER? OR BUFFER? OR PREVENT? OR
DETERIORA? OR DAMAG?)
L103     61 SEA ABB=ON PLU=ON L100 OR L102
D L103 ALL 1-61
L104     7222 SEA ABB=ON PLU=ON L71 NOT L103
L105     186 SEA ABB=ON PLU=ON L104 AND (?OXIDE?) (3A) (ORGANOMETALLIC OR
ORGANO METALLIC OR METALLORGANIC OR METALORGANIC OR METAL
ORGANIC OR METALLO ORGANIC OR ?ALKOXIDE?)
L106     5 SEA ABB=ON PLU=ON L104 AND (?OXIDE?) (3A) (BOND#####) (3A) (ORGA
NOMETALLIC OR ORGANO METALLIC OR METALLORGANIC OR METALORGANIC
OR METAL ORGANIC OR METALLO ORGANIC OR ?ALKOXIDE?)
L107     40 SEA ABB=ON PLU=ON L104 AND (ORGANOMETALLIC OR ORGANO
METALLIC OR METALLORGANIC OR METALORGANIC OR METAL ORGANIC OR
METALLO ORGANIC OR ?ALKOXIDE?) (4A) (PROTECT##### OR PASSIVAT###
### OR STABILIS? OR STABILIZ? OR BOND##### OR BIND#### OR
ATTACH##### OR ANCHOR####)
L108     33 SEA ABB=ON PLU=ON L104 AND (ORGANOMETALLIC OR ORGANO
METALLIC OR METALLORGANIC OR METALORGANIC OR METAL ORGANIC OR
METALLO ORGANIC OR ?ALKOXIDE?) (4A) (METAL) (W) (?OXIDE?)
L109     60 SEA ABB=ON PLU=ON L104 AND (QUANTUM##### OR
QUANTUM DOTS) (5A) (SEMICONDUCT?)
L110     44 SEA ABB=ON PLU=ON L109 AND (ORGANOMETALLIC OR ORGANO
METALLIC OR METALLORGANIC OR METALORGANIC OR METAL ORGANIC OR
METALLO ORGANIC OR ?ALKOXIDE?)
L111     271 SEA ABB=ON PLU=ON (L105 OR L106 OR L107 OR L108) OR L110
L112     175 SEA ABB=ON PLU=ON L111 AND P/DT
L113     96 SEA ABB=ON PLU=ON L111 NOT L112
L114     64 SEA ABB=ON PLU=ON L113 NOT 2003-2008/PY
L115     132 SEA ABB=ON PLU=ON L112 AND 1980-2002/PRY,PY
L116     86 SEA ABB=ON PLU=ON L112 AND 2003-2007/PRY,PY
L117     89 SEA ABB=ON PLU=ON L112 NOT L116
L118     198 SEA ABB=ON PLU=ON L117 OR L115 OR L114
L119     22 SEA ABB=ON PLU=ON L118 AND (?LUMINESC? OR LED OR LCD OR
LUMINIPHOR OR ?PHOSPHORESC? OR ?FLUORESC?)
L120     7 SEA ABB=ON PLU=ON L118 AND (QUANTUM DOTS)
L121     36 SEA ABB=ON PLU=ON L118 AND QUANTUM?
L122     0 SEA ABB=ON PLU=ON L118 AND (COMPOUND(W)SEMICONDUCT#####)
S L118 AND (2 ETHYLHEXANOATE OR 22464-99-9/REG#)

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FILE 'REGISTRY' ENTERED AT 09:31:56 ON 19 NOV 2007
L123 1 SEA ABB=ON PLU=ON 22464-99-9/RN

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L124 97 SEA ABB=ON PLU=ON L123
L125 1 SEA ABB=ON PLU=ON L118 AND (2 ETHYLHEXANOATE OR L124)
L126 52 SEA ABB=ON PLU=ON L118 AND (?CARBOXYLATE? OR ?ALKOXY? OR
?METHOXY? OR ?ETHOXY? OR ?CARBOXYL? OR ?ACYLOXYL? OR ?PROPIONATE?)
L127 10 SEA ABB=ON PLU=ON L118 AND (?ACETOXY? OR ?ETHANOYLOXY? OR
?PROPIONYLOXY? OR ?HEXANOYLOXY? OR TETRAMETHOXYLSILANE OR
TETRAMETHOXY SILANE OR ?BUTOXYSILANE? OR ?BUTOXYTITANIUM? OR
?BUTOXYALUMINUM? OR ?PROPOXYTIN? OR ?OXYETHOXIDE? OR ?OXOALKOXY?)
L128 15 SEA ABB=ON PLU=ON L118 AND (MONOCARBOXYLIC OR POLYCARBOXYLIC
OR FORMIC OR CAPROIC OR CAPRYLIC OR LAURIC OR ISOBUTYRIC
MYRISTIC OR PALMITIC OR STEARIC OR ACRYLIC OR METHACRYLIC OR
CROTONIC OR OLEIC OR LINOLENIC OR OXALIC OR MALONIC OR
SUCCINIC OR ADIPIC OR ACETIC)
L129 1 SEA ABB=ON PLU=ON L118 AND (FUMARIC OR DIMETHYLGLUTARIC OR
SUBERIC OR BENZOIC OR PHENYLACETIC OR TOLUIC OR PHTHALIC OR
ISOPHTHALIC OR TEREPHTHALIC OR TEREPHTHALIC OR PYROMETALLIC OR
?BENZOIC?)
L130 104 SEA ABB=ON PLU=ON (L119 OR L120 OR L121) OR (L125 OR L126 OR
L127 OR L128 OR L129)

10/525,848

11/19/07

DIALOG

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Set	Items	Description
S1	4878	S (COMPOUND())SEMICONDUCTOR? ?)
S2	247630	S (III()IV OR II()VI OR IV()IV OR III()V) (3N) (SEMICONDUCT????)
S3	24776	S (QUANTUM())DOT? ?)
S4	268071	S (GAAS OR GAASP OR GAALAS OR ALP OR INP OR INGAALP OR ALS OR GAN OR INGAN OR INSB OR GASB OR BALGAIN OR ZNS OR ZNSE OR ZNTE OR CDS OR CDSE OR CDTE OR HGS OR HGSE OR HGTE OR SIGE OR SNTE OR PBS OR PBSE OR PBTE)
S5	71880	S CI=(GA SS(S)AS SS) OR (GA SS(S)AS SS(S)P)
S6	37923	S CI=(GA SS(S)AL SS(S)AS SS) OR (AL SS(S)P SS) OR (IN SS(S)P SS) OR (GA SS(S)N SS) OR (IN SS(S)GA SS(S)N SS) OR (IN SS(S)SB SS)
S7	9	S CI=(B SS(S)AL SS(S)GA SS(S)IN SS) OR (ZN SS(S)S SS) OR (ZN SS(S)SE SS) OR (ZN SS(S)TE SS) OR (CD SS(S)S SS) OR (CD SS(S)SE SS) OR (CD SS(S)TE SS)
S8	6168	S CI=(HG SS(S)TE SS) OR (SI SS(S)GE SS) OR (SN SS(S)TE SS) OR (PB SS(S)S SS) OR (PB SS(S)TE SS) OR (PB SS(S)TE SS)
S9	332506	S S1:S8
S10	16817	S S9 AND (ORGANOMETALLIC? ? OR ORGANO()METALLIC? ? OR METALLORGANIC? ? OR METALORGANIC? ? OR METAL()ORGANIC? ? OR METALLO()ORGANIC? ? OR ALKOXIDE? ?)
S11	44	S S9 AND (ORGANIC(1N)LIGAND? ?)
S12	248	S S9 AND (CARBOXYLATE? OR ALKOXY? OR METHOXY? OR ETHOXY? OR CARBOXYL? OR ACYLOXYL? OR PROPIONATE?)
S13	21	S S9 AND (ACETOXY? OR ETHANOYLOXY? OR PROPIONYLOXY? OR HEXANOYLOXY? OR TETRAMETHOXYLSILANE? OR ORGANOSILANE? ? OR ORGANO()SILANE? ? OR TETRAMETHOXY()SILANE? ? OR BUTOXYLSILANE? OR BUTOXYTITANIUM? OR BUTOXYALUMINUM? OR PROPOXYTIN? OR OXYETHOXIDE? OR OXOALKOXY?)
S14	325	S S9 AND (MONOCARBOXYLIC OR POLYCARBOXYLIC OR FORMIC OR CAPROIC OR CAPRYLIC OR LAURIC OR ISOBUTYRIC MYRISTIC OR PALMITIC OR STEARIC OR ACRYLIC OR METHACRYLIC OR CROTONIC OR OLEIC OR LINOLENIC OR OXALIC OR MALONIC OR SUCCINIC OR ADIPIC OR ACETIC)
S15	19	S S9 AND (FUMARIC OR DIMETHYLGLUTARIC OR SUBERIC OR BENZOIC OR PHENYLACETIC OR TOLUIC OR PHTHALIC OR ISOPHTHALIC OR TEREPHTHALIC OR TEREPHTHALIC OR PYROMETALLIC)
S16	17425	S S10:S15
S17	634	S S16 AND (OXIDE? ? OR DIOXIDE? ? OR TRIOXIDE? ? OR TETRAOXIDE? ?)
S18	1194	S S16 AND (ZNO OR SNO2 OR IN2O3 OR SIO2 OR (SILICON OR SI OR ZINC OR ZN OR TIN OR SN OR INDIUM OR IN) (W) (OXIDE? ? OR DIOXIDE? ? OR TRIOXIDE? ?) OR SILICA OR SIO)
S19	1538	S S17:S18
S20	1367	S S19 AND (COAT????????? OR FILM? ? OR THINFILM? ? OR THIN()FILM? ? OR LAYER????? OR MULTILAYER????? OR MULTI()LAYER????? OR DEPOSIT????? OR LAMINA????? OR LAMEL????? OR OVERLAY??? OR OVERLY????? OR OVERSPREAD)
S21	322	S S19 AND (PROTECT? OR BARRIER? ? OR PASSIVAT? OR COVER????? OR BLOCK????? OR BARRICADE? ? OR HUMID? OR MOIST? OR HERMETIC? OR HYDROPHOB? OR WEATHER? OR BUFFER? OR PREVENT? OR DETERIORA? OR DAMAG?)
S22	46	S S19 AND (MONDISPERS? OR MONO()DISPERS? OR DISPERS?????????)
S23	1420	S S20:S22
S24	757	S S23 NOT S23/2003-2008
S25	154	S S24 AND (PHOTOCATALY? OR PHOTO()CATALY? OR PARTICLE? ? OR NANOPARTIC? OR MICROPARTIC? OR QUANTUM????????????? OR NANODOT? ? OR NANO()DOT? ? OR NANOBEAD? ? OR NANO()BEAD? ? OR NANOPOWDER? ? OR NANO()POWDER? ?)
S26	0	S S25 AND (PULVERI????????????????? OR GRIND??????? OR GROUND OR POLISH?????????)
S27	2	S S25 AND (OXIDE? ? OR DIOXIDE? ?) (3N) (ORGAN?)
S28	152	S S25 NOT S27
S29	1	S S28 AND (METAL()OXIDE? ?)
S30	26	S S28 AND (COVER????? OR PROTECT????? OR PASSIVAT????????? OR BARRIER? ?)
S31	4	S S28 AND (MIXTURE OR MIXING OR BLEND OR MIXES OR MIX OR MIXED)
S32	2	S S28 AND (ORGAN?????????????????) (2N) (LAYER??????? OR COAT????? OR FILM? ? OR THINFILM? ? OR THIN()FILM? ? OR COVER??????? OR PASSIVAT? OR PROTECT?)
S33	13	S S28 AND (PARTICLE? ? OR DOT? ? OR QUANTUM????????? OR NANOPARTIC? OR MICROPARTIC?) (3N) (COVER????? OR BLANKET????? OR PROTECT????? OR PASSIVAT????? OR LAYER????? OR MULTILAYER????? OR FILM? ?)
S34	42	S S29:S33
S35	110	S S28 NOT S34
S36	46	S S35 AND ORGAN?????????????????????????????????????
S37	24	S S36 AND OXIDE? ?

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strate, and **cap** layer. The QD structure under investigation. was grown by metal-**organic**